

GAATTCCGGGTGGTAGGTGGCAGGGTAGGACAGGCCTAAGAGAGAGGCCGGACAGACCTCC
TTTGGAAAGCAGCCACTTCTGGTCCCCATCCCTGGAGCGATCGAGCGCAGGATCTGCTGTCCCCT
GGGACAGCAGATCTCTTCCCAGTGCACAGCCTCTCCCTGCCTGTTTCCCTGCTTCAGTG
CTCCAGGTGGCCAACCAGGCCAGGCACCCAGGACCAGCCCCCTGTGGACACTTTGGAGCAGT
ACTGCCACAGGACCAATTGGAAATTTCAGGTCCCTACACCTACTGCAACACGACCTTGG
CCAGATCGGGACCTGCTGGCACAGAGCGCACCCGGAGCCCTAGTAGAGAGACCGTGCCCCGAG
TACTTCAATGGCATCAAGTACAACACGACCCGAATGCCTACAGAGAGTGCCTGGAGAACGGGA
CCTGGGCCTCAAGGGTAACACTCACACTGCGAACCCATTGGATGACAAGCAGAGAAAGTA
TGACCTGCATTACCGAATCGCCCTCATTGTCAACTACCTGGTCACTGTGTTCCGTGGTGGCC
CTGGTGGCCGCTTCCTGCTTTCTAGTGTGGAGTATCCGCTGCCTGAGGAATGTGATCC
ACTGGAACCTCATCACCAACCTTCATTCTGAGAACATCGCGTGGTCCCTGCTGCAACTCATCGA
CCACGAAGTGCACGAGGGCAATGAGGTCTGGTCCGCTGCATCACCACCATCTCAACTATT
GTGGTCACCAACTTCTGGATGTTGTGGAGGGCTGCTACCTGCACACGGCCATTGTATGA
CGTACTCCACAGAGCACCTGCGCAAGTGGCTTCCTTCATTGGATGGCATTCCCTGCC
TATCATCATCGCCTGGCAGTTGGCAAACACTACTATGAGAACATGAGCAGTGTGGTGGCAAG
GAAGCTGGTGATTTGGACTACATCTACCAAGGGCCCCGTATGCTGTGCTGTTGATCAATT
TTGTATTTCTGTTAACATCGTCAGGATCCTGATGACGAAGTTACGAGCATCCACCACGTCCGA
GACAATCCAATACAGGAAGGCAGTGAAGGCCACGCTGGCCTCCTCCCCCTGTTGGCATTCA
TACATGCTCTTCTTGTCAATCCTGGCAGGACGACTGTCCCAGATTGTTCATCTACTTCA
ACTCTTCCTGCAGTCCTCAGGGTTCTTGTGCTCCGTTCTACTGCTTCTTCAATGGAGA
GGTGCAGCGGGCCATGTCCATCCCTACGTCGCCACCAGGATCAGCTCCACAGCATCAAGCAGA
GTGCGCCGGGCATGTCCATCCCTACGTCGCCACCAGGATCAGCTCCACAGCATCAAGCAGA
CAGCTGCTGTGACCCCTGTCACCGTCTGCCCGCAGTCCACCACTGAGGCAGCTTCTCCAT
CCTTACAGCCTCCCTGGTCCTGCTACCCGACAGGTACAAGGTACAGGAGAA
GGGAGGAGAACGAAACACTCCC (SEQ ID NO:1)

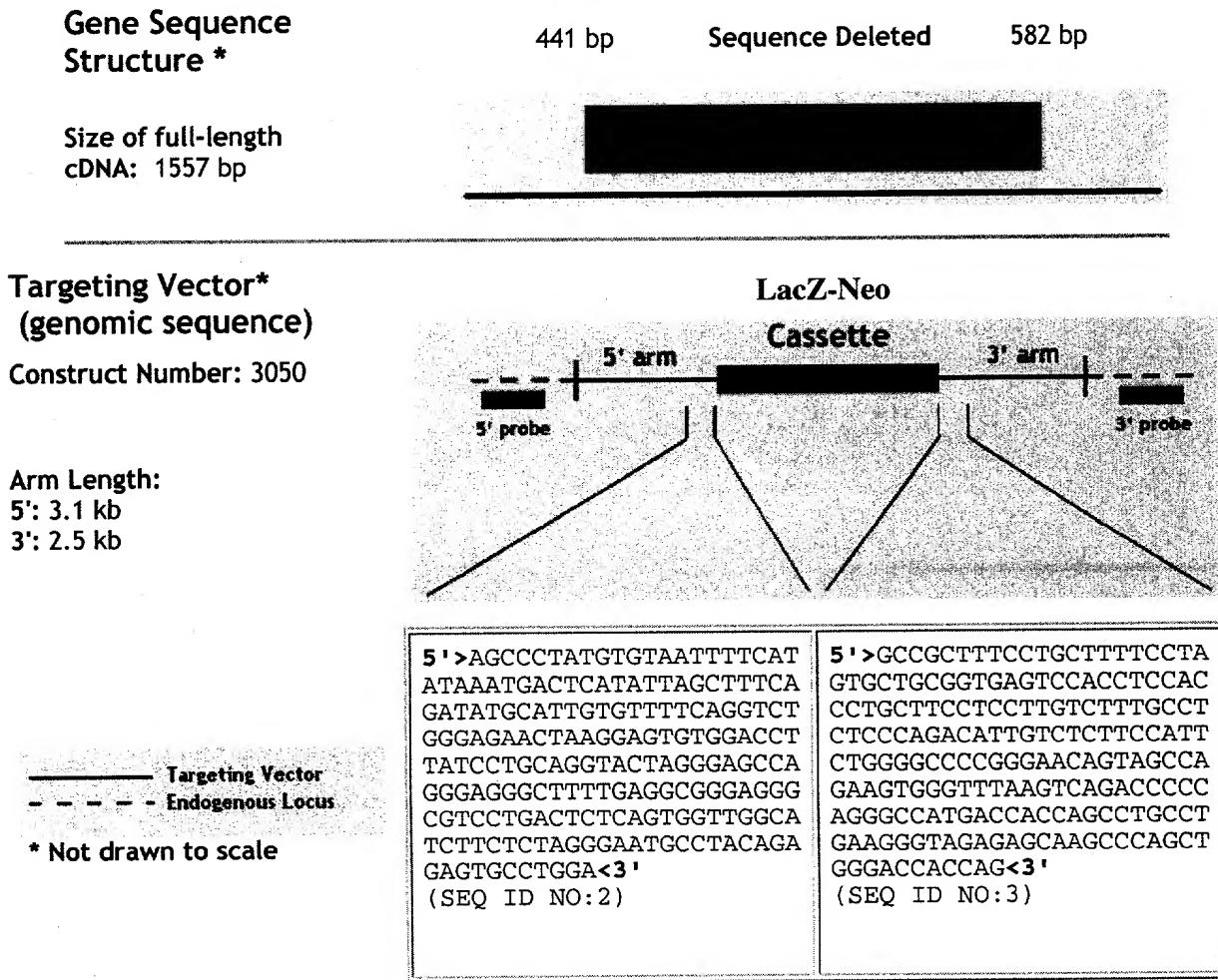
FIGURE 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

GAATTCCGGTGGTAGGTGGCAGGGTAAGGACAGGCCTAACAGAGAGAGGCCGGACAGAC
CTCCTTGGAAGCAGCCACTTCTGGTCCCCATCCCTGGAGCGATCGAGCGCAGGATCTGC
 TGTCCCAGGGACAGCAGATCTCTTCCCAGTCAGCAGCTCTCCTCTGCTGTTC
 CTGCTTCACTGCTCAGGTGGCCAACCAGGCCAGGCACCCAGGACCAGCCCTGTGG
 ACACTTTGAGGACAGTACTGCCACAGGACACAATTGGAAATTTCAGGTCCCTACACC
 TACTGCAACACGACCTTGGACAGATCGGACCTGCTGGCCACAGAGCGCACCCGGAGCC
 CTAGTAGAGAGACCGTGCCCCGAGTACTTCATGGCATCAAGTACAACACGACCC [GGAA
 TGCCCTACAGAGAGGTGCGTGG] GAACGGGACCTGGGCTCAAGGGTCAACTACTCACACT
GCGAACCCATTGGATGACAAGCAGAGAAAGTATGACCTGCATTACCGAATGCCCTCA
TTGTCAACTACCTGGTCACTGTGTTCCGTGGTGGCCCTGGT [GCCGCTTCCTGCTT
 TTCCTAGTGCTGCG] GAGTATCCGCTGCCTGAGGAATGTGATCCACTGGAACCTCATCAC
 CACCTTCATTCTGAGAACATCGCGTGGTCTCTGCTGCAACTCATCGACCACGAAGTGCA
 CGAGGGCAATGAGGCTGGTGCCTGCATCACCACCATCTCAACTATTGTGGTAC
 CAACTTCTCTGGATTTGTGGAGGGCTGCTACCTGCACACGCCATTGTATGACGTA
 CTCCACAGAGCACCTGCGCAAGTGGCTTCCTCTTCTGATGGATGGTGCATTCCCTGCC
 TATCATCATCGCCTGGGAGTTGGCAAACCTACTATGAGAATGAGCAGTGCTGGTTGG
 CAAGGAAGCTGGTATTGGTGACTACATCTACCAAGGGCCCCGTATGCTGTGCTGTT
 GATCAATTGTATTCTGTTAACATGTCAGGATCCTGATGACGAAGTTACGAGCATT
 CACCACGTCGAGACAATCCAATACAGGAAGGCAGTGAAGGCCACGCTGGCCTCCTCCC
 CCTGTTGGCATCACTACATGCTCTTGTCAATCTGGCAGGACGACCTGTCCCC
 GATTGTGTCATCTACTCAACTCTTCTGCACTGCAGTCCTCCAGGGTTCTTGTCCTGG
 TTTCTACTGCTCTTCAATGGAGAGGTGGCCGGCCCTGAGAAAGCGGTGGCACTCGGG
 GCAGGACCAACGCCCTCCGGTGCCTGCGCCGGCATGTCCATCCCTACGTCGCC
 CACCAGGATCAGCTTCCACAGCATCAAGCAGACAGCTGCTGTGACCCCTGTCAACCGT
 CTGCCCCGGCAGTCCACCACTGAGGCAGCTCTCCATCTTACAGCCTCCCTGGTCC
 TCCTGCTACCTGACCCACAGTACAAGGTACAGGAGAAGGGAGGAGAACGAAACACTCC
 C

FIGURE 2A

**FIGURE 2B**